



## Stroboscopes and Tachometers

**EXTECH**  
**Digital Stroboscope/Tachometer—**Handheld instrument has xenon flashtube light source. Includes 6-ft. power cord and lamp.

### FLUKE

**Digital LED Stroboscope—**High-intensity 7-LED array in high-efficiency, uniform-flash LED light source, which combines with digital pulse width modulation to return exceptionally sharp images at high speeds.

### MONARCH INSTRUMENT

Rechargeable digital strobes provide continuous safe, cool operation. Fully backlit LCD. Each includes standard 120V charger for internal rechargeable battery. Battery life: LED 8 hr. and xenon 2 hr. Kits add spare lamp and carrying case.



**Basic Stroboscopes and Kits—**Digital control. Superbright LED or xenon flashtube light source.

**Deluxe Stroboscopes and Kits—**Multibutton keypads for x2/÷2 brightness adjust, visual phase shift, and tach mode. 8 to 10 hr. run time for LED. 3-hr. recharge time.

- Internal phase shift
- TTL input/output jacks
- Superbright LED or xenon flashtube light source

**Phaser Stroboscopes and Kit—**Allows degrees phase shift and time delay from external trigger. Multibutton keypad for advanced intuitive control. High-power charger/supply for continuous operation.

- External phase shift
- TTL input/output connectors
- Superbright LED or xenon flashtube light source

**PLS Pocket Strobe and Kit—**Provides a uniform light output for visual diagnostic inspection and rpm measurements. Features external input for remote triggering or tachometer mode, pulse output and memory for up to 5 present flash rates. 5- to 6-hr. run time.

### SHIMPO

**Stroboscope 787YX3—**Compact LED scope has coarse/fine tuning and user-defined flash rate memory storage. 5-digit display.

Item	Flashes per Minute	RPM Range	Res.	Flash Duration	Display	Power Req.	Mfr. Model	Item No.
<b>Extech</b>								
Digital Stroboscope	100 to 10,000	100 to 10,000	0.1 fpm	60 to 1,000 usec	4 Digit LED	115V AC 60 Hz	461830	5AY35
<b>Fluke</b>								
Digital LED Stroboscope	30 to 300,000	—	0.1 to 1.0 fpm	1 to 33,333 usec	LCD Alphanumeric	(3) AA Batteries	FLUKE-820-2	40JW34
<b>Monarch</b>								
Basic Battery LED Strobe	30 to 500,000	—	0.01 fpm	Adj. to 14°/3,000 usec	LCD Alphanumeric	115/230 50/60 Hz	Nova-Strobe BBL	36J793
Basic Battery LED Strobe Kit	30 to 500,000	—	0.01 fpm	Adj. to 14°/3,000 usec	LCD Alphanumeric	115/230 50/60 Hz	Nova-Strobe BBL Kit	36J794
Basic Stroboscope	30 to 10,000	—	0.01 fpm	8 to 20 usec	6 Digit LCD	Rechargeable NiMH	Nova-Strobe bbx	1UFK8
Basic Stroboscope Kit	30 to 10,000	—	1 fpm	8 to 20 usec	6 Digit LCD	Rechargeable NiMH	Nova-Strobe bbx Kit	1UFK9
Deluxe Battery LED Strobe Kit	30 to 500,000	0 to 500,000	0.01 fpm	Adj. to 14°/3,000 usec	LCD Alphanumeric	115/230 50/60 Hz	Nova-Strobe DBL Kit	36J796
Digital Stroboscope	30 to 20,000	—	0.01 fpm	8 to 20 usec	6 Digit LCD	Rechargeable NiMH	Nova-Strobe dbx	1UFL1
Digital Stroboscope	30 to 999,999	0 to 999,999	0.001 fpm	Adj. to 14°/1,000 usec	LCD Alphanumeric	115/230 50/60 Hz	Nova-Pro 100 AC	52VG66
Digital Stroboscope Kit	30 to 20,000	5 to 250,000	0.01 fpm	8 to 20 usec	6 Digit LCD	Rechargeable NiMH	Nova-Strobe dbx Kit	1UFL2
Digital Stroboscope Kit	30 to 999,999	0 to 999,999	0.001 fpm	Adj. to 14°/1,000 usec	LCD Alphanumeric	115/230 50/60 Hz	Nova-Pro 300 Kit	52VG63
Digital Stroboscope Kit	30 to 999,999	0 to 999,999	0.001 fpm	Adj. to 14°/1,000 usec	LCD Alphanumeric	115/230 50/60 Hz	Nova-Pro 100 AC Kit	52VG68
Phaser Battery LED Strobe	30 to 500,000	0 to 500,000	0.01 fpm	Adj. to 14°/3,000 usec	LCD Alphanumeric	115/230 50/60 Hz	Phaser-Strobe PBL	36J797
Phaser Battery LED Strobe Kit	30 to 500,000	0 to 500,000	0.01 fpm	Adj. to 14°/3,000 usec	LCD Alphanumeric	115/230 50/60 Hz	Phaser-Strobe PBL Kit	36J798
Pocket LED Strobe	30 to 300,000	30 to 300,000	0.01 to 1.0 fpm	Adj. to 14°/3,000 usec	LCD Alphanumeric	115/230 50/60 Hz	Pocket LED Strobe (PLS)	36J799
Pocket LED Strobe Kit	30 to 300,000	30 to 300,000	0.01 to 1.0 fpm	Adj. to 14°/3,000 usec	LCD Alphanumeric	115/230 50/60 Hz	Pocket LED Strobe (PLS) Kit	36J801
<b>Shimpo</b>								
Battery Powered Stroboscope	60 to 12,000	0 to 12,000	0.1 fpm from 60 to 9,999 fpm, 1 fpm from 6,001 to 12,000 fpm	10 to 30 usec	5 Digit LED	100-240V AC 50/60 Hz	DT-735	61HY65
Digital Stroboscope	60 to 40,000	60 to 40,000	0.01 fpm, 0.1 fpm, 1 fpm	—	5 Digit Backlit LED	(4) AA Batteries	ST-1100	787YX3



## 1/8-DIN Panel Tachometers and Sensors

### PANEL TACHOMETERS

**Extech 5AY32—**Permits rpm measurements of a 1-hole gear or disc, eliminating the need for special gears. Display updates once per sec. Resolution: 0.1 rpm.

**Monarch Instrument 5TDG8—**Universal-input instrument for 2- and 3-wire sensors requires 1 pulse per revolution.

**Monarch 5TDG6 and 5TDG7—**Programmable universal-input instruments for 2- and 3-wire sensors measure mph, cm/sec., and other units, including linear rate of travel when using 2 sensors. 1 pulse per revolution. 2 setpoints for high/low alarm. RS-232C interface.

### SENSORS

**Extech Photoelectric Sensor—**Generates a light beam with a 0.4" (10mm) target opening.

**Proximity Sensors—**For use with ferrous/nonferrous metals.

Extech 5AY33 measures a pulse when a metallic object (stud) passes by the sensor. Min. object detection size: 0.07" x 0.11" (2mm x 3mm).

Monarch 4KF50 has an inductive probe that allows use with a 0.5" metallic target (bolt head or keyway).

**Monarch Magnetic Sensor—**As distance increases, output signal decreases. Includes 8-ft. cable and mounting nut.

- For use with ferrous metal gear teeth; min. target size 0.001"

**Monarch Remote Optical Sensor—**Stainless steel sensor operates up to 3 ft. and 45° from reflective target. Includes mounting bracket and 12" reflective tape. Additional reflective tape sold separately.

- LED light source and on-target indicator
- For use with reflective tape

Description	Accuracy	Power Req.	RPM	Mfr. Model	Item No.
Panel Tachometers					
Extech 4 Digit LED Panel Meters					
Panel Tachometer	+/-0.05%	110/220 V AC	5 to 99,990	461950	5AY32
Monarch 5 Digit LED Panel Meters					
Panel Tachometer	+/-1 RPM	100 to 5 to 99,999	ACT-1B-1-0-1-0-001		5TDG8
Panel Tachometer, 0 to 5VDC Output	+/-0.0015%	240 V AC, 5 to 999,990	ACT-3X-1-1-3-1-1-0		5TDG6
Panel Tachometer, 4 to 20 mA DC Output	+/-0.0015%	50/60 Hz 5 to 999,990	ACT-3X-1-1-4-1-1-0		5TDG7
Sensors					
Extech					
Photoelectric Sensor	—	—	5 to 6000	461957	5AY34
Proximity Sensor	—	—	5 to 36,000	461955	5AY33
Monarch					
Proximity Sensor	—	—	1 to 60,000	P5-11	4KF50
Magnetic Sensor	—	—	1 to 100,000	M-190W	4KF49
Remote Optical Sensor	—	—	1 to 250,000	ROS-W	3WB46
Description		For Use With		Mfr. Model	Item No.
Accessories					
Extech					
Contact Adapters	461891, 461995, Mfr. No. RPM10			461899	4GE86
Reflective Tape	All Noncontact Tachometers			461937	2FRU1 *
Monarch					
Latching Carrying Case	Mfr. No. PT99, PLT200 and PLT200 KIT			CC-11	1WA06
Padded Pouch				CC-10	1WA02
Reflective Tape	All Noncontact Tachometers			T-5 Reflective Tape	3A145
Shimpo					
Circumference Wheel	DT-105A, DT-107A, DT-205LR, DT-207LR			FPM-6	21YD73
Circumference Wheel	DT-105A-S12, DT-107A-S12, DT-205LR-S12, DT-207LR-S12			FPM-12	21YD74
Cone Adapter	DT-105A, DT-105A-S12, DT-107A, DT-107A-S12, DT-205LR, DT-205LR-S12, DT-207LR, DT-207LR-S12			CONE	21YD70
Contact Adapter	DT-205LR, DT-205LR-S12, DT-207LR, DT-207LR-S12			DT-ADP-200LR	21YD79 †
Extension Shaft	DT-105A, DT-105A-S12, DT-107A, DT-107A-S12			EXT-SHAFT	21YD72
Funnel Adapter	DT-205LR, DT-205LR-S12, DT-207LR, DT-207LR-S12			FUNNEL	21YD71

\* Pkg. of 10. † Compatible only with Shimpo Combination Tachometers sold on page 541.